PLAINTIFF'S EXHIBIT
UC-1391

UC 149-B

UNION CARBIDE

INTERNAL CORRESPONDENCE

**UNION CARBIDE CORPORATION** • 270 PARK AVENUE, NEW YORK, NEW YORK 10017

To (Name) Mr. J. A. Riddle
Division Mining & Metals Division
Location P. O. Box K
King City, California 93930

Date September 18, 1970

Originating Dept.

Answering letter date

Subject

Copy to ~~Mr. L.~~ F. Crow
Dr. J. J. Welsh/Dr. K. S. Lane

Dear Mr. Riddle:

Enclosed are electron micrographs of material found in airborne dust samples from the King City plant and a laboratory report of the findings. I think it is important to note that the sample from the north fence line at the ponds contained mostly material other than asbestos. On the other hand, the sample from the general area of wet operations contained considerable asbestos, which was not expected. I assume that this might have reflected the fact that the doors to the bagging area were open much of the time that the sample was collected. The sample from the south fence line, of course, showed a number of asbestos particles which was expected owing to the fact that the wind was in that direction.

I was pleased to note that the air sample collected after passage of the air through a respirator filter showed essentially no dust, indicating that the filter was efficient. The few particles that were found may have resulted from contamination in handling. I plan to repeat this test again in the near future as a matter of certainty. As the same time I plan to review our counting procedures.

Very truly yours,

Paul W. McDaniel

Paul W. McDaniel
Industrial Hygiene Engineer

PWM; dp

Dust Samples
King City, Calif.
May 1972

| SAMPLE | | COMMENT | PARTICLE COUNT AVE. +5M |
|---|---|---|---|
| May 30, 1972 - very calm, warm day | | | |
| #1 | RG 244 Bagging Room | 9:30 a.m. - 70°F<br>2.8 liters/min., 10 min.<br>both E doors open | 2 |
| #1b | Same as #1 | 10:20 a.m. - 74°F<br>2.8 liters/min., 10 min.<br>Same conditions as #1 | 1 |
| #2 | Rock Fiber-Refiner | 10:45 a.m. - 79°F<br>2.8 liters/min., 10 min.<br>running SSG | 0.5 |
| #2b | Same as #2 | 11:05 a.m. - 80°F<br>2.8 liters/min., 10 min.<br>Same conditions as #2 | 0.5 |
| #3 | Sample Packaging Area | 11:35 a.m. - 78°F<br>2.8 liters/min., 10 min. | 1 |
| #3b | Same as #3 | 12:35 p.m. - 80°F<br>2.8 liters/min., 10 min. | 1 |
| #4 | Press Dryer Circuit | 1:00 p.m. - 82°F<br>2.8 liters/min., 10 min. | 3 |
| #4b | Same as #4 | 1:20 p.m. - 82°F<br>2.8 liters/min., 10 min. | 2.5 |
| #5 | Palletizer Area | 2:30 p.m. - 85°F<br>2.0 liters/min., 15 min.<br>S,E, & W doors open | 4 |
| #5b | Same as #5 | 2:55 p.m. - 84°F<br>2.0 liters/min., 15 min.<br>Same conditions as #5 | 2 |

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| SAMPLE | COMMENT | PARTICLE COUNT AVE. +5M |
|---|---|---|
| #6 Bagger Area | 3:35 p.m. - 86°F<br>2.0 liters/min., 15 min.<br>Packaging SG 210<br>Back door open | 21 |
| #6b Same as #6 | 4:05 p.m. - 86°F<br>2.0 liters/min., 15 min.<br>Same conditions as #6 | 33 |
| June 1, 1972 - very calm day, slight overcast | | |
| #7 North Fence Line | 8:30 a.m. - 68°F<br>2.0 liters/min., 15 min. | 0.2 |
| #7b Same as #7 | 8:55 a.m. - 65°F<br>2.0 liters/min., 15 min. | 0.7 |
| #8 South Fence Line | 9:20 a.m. - 72°F<br>2.0 liters/min., 15 min. | 0.2 |
| #8b Same as #8 | 9:45 a.m. - 76°F<br>2.0 liters/min., 15 min. | 0.4 |
| #9 Front End Loader | 10:00 a.m. - 74°F<br>2.0 liters/min., 15 min. | 2 |
| #9b Same as #9 | 3:30 p.m. - 86°F<br>2.0 liters/min., 15 min. | 3 |
| June 5, 1972 | | |
| #10 Inside Baggers Airhood | 10:30 a.m. - 77°F<br>2.8 liters/min., 10 min.<br>(using plant air)<br>Bagging 210 - all doors open | 11 |
| #10b Same as #10 | 11:00 a.m. - 77°F<br>2.8 liters/min., 10 min.<br>Same conditions as #10 | 5 |
| #11 Southedge of Tailings Dam | 1:30 p.m. - 92°F<br>2.0 liters/min., 30 min.<br>clear, slight breeze from North | 0.2 |
| #12 South-east edge of Tailings Dam | 2:00 p.m. - 92°F<br>2.0 liters/min., 30 min.<br>Same conditions as #11 | 0.2 |
| June 6, 1972 | | |

continued on pg 3...

| SAMPLE | | COMMENT | PARTICLE COUNT AVE. +5M |
|---|---|---|---|
| June 6, 1972 | | | |
| #13 | Inside Baggers Airhood | 1:30 p.m. - 78°F<br>2.0 liters/min., 30 min.<br>Bagging SG 210 (using plant air)<br>Operator cleaned clothing and hood before installing sampler-3 bags blew up during sample period. | 1 |
| #13b | Inside Baggers Hood | 1:50 p.m. - 78°F<br>2.0 liters/min., 30 min.<br>Same conditions as #13 | 1.6 |
| | | Blank - All samples | 4 |

FHL/clg

G.I.-149-2

UNION CARBIDE

INTERNAL CORRESPONDENCE

**CHEMICALS AND PLASTICS** • P. O. BOX K, KING CITY, CALIFORNIA 93930

To (Name) Mr. Paul McDaniel
Division Medical Dept., 4th Floor
Location New York

Date June 16, 1972

Originating Dept.

Answering letter date

Copy to R. J. Kronkhyte

Subject Dust Count-May 1972

Enclosed are dust particle counts for May, 1972. The samples were collected by R. Spears and C. Grogan. Counting was done by C. Grogan.

As shown we increased over the normal number of samples by sampling the RG Bagging Room. Samples taken on 6-5 from inside the Bagger's air hood came our high. The samples were repeated on 6-6, taking more care with installation of the sampler, and results were acceptable. We feel that the high results on 6-5 were due to sample contamination.

Very truly yours,

F. H. Larrison, Jr.

/clg